

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Previously Presented): A communication system, comprising:

a user node able to act as a server;

a corresponding node able to request communication with the user node; and

a relay node that is constantly connected to the corresponding node and is able to act as proxy of the user node to request to communicate with the corresponding node, said relay node and said user node acting as one virtual node with respect to the corresponding node,

wherein

the relay node includes

a first signal receiving unit that receives data from the corresponding node;

a first data processing unit that supplies the data to a program executed by a processor in the relay node according to a communication session identification number included in the data; and

a data transmitting unit that transmits the data processed by the first data processing unit to the user node, and

the user node includes a second data processing unit that supplies the data to a program executed by another processor on the user node according to the communication session identification number included in the data.

Claim 2 (Previously Presented): The communication system as claimed in claim 1, wherein the user node and the relay node act as a virtual node with respect to the corresponding node, the virtual node being identified by a node address of the relay node.

Claim 3 (Previously Presented): The communication system as claimed in claim 1, wherein data processed by the relay node are synchronized with data processed by the user node.

Claim 4 (Previously Presented): The communication system as claimed in claim 1, further comprising a link monitoring unit configured to monitor a communication link between the user node and the relay node.

Claim 5 (Previously Presented): The communication system as claimed in claim 1, further comprising a node information management unit configured to manage information and resources of the user node and the relay node.

Claim 6 (Previously Presented): The communication system as claimed in claim 1, wherein the user node is able to transmit signals to or receive signals from the corresponding node without going through the relay node.

Claim 7 (Currently Amended): A relay node in a communication system including a user node, a corresponding node able to request [[to]] communication with the user node, and the relay node,

said relay node being constantly connected to the corresponding node, and being able to act as proxy for the user node to request [[to]] communication with the corresponding node, said relay node and said user node acting as one virtual node with respect to the corresponding node,

said relay node comprising:

a signal receiving unit that receives data from the corresponding node;

a data processing unit that supplies data to a program executed by a processor in the relay node according to a communication session identification number included in the packet signal; and

a data transmitting unit that transmits the data to the user node.

Claim 8 (Original): The relay node as claimed in claim 7, wherein the relay node and the user node act as a virtual node with respect to the corresponding node, the virtual node being identified by a node address of the relay node.

Claim 9 (Original): The relay node as claimed in claim 7, wherein data processed by the relay node are synchronized with data processed by the user node.

Claim 10 (Previously Presented): The relay node as claimed in claim 7, further comprising a link monitoring unit configured to monitor a communication link between the user node and the relay node.

Claim 11 (Previously Presented): The relay node as claimed in claim 7, further comprising a node information management unit configured to manage information and resources of the user node and the relay node.

Claim 12 (Canceled).

Claim 13 (Currently Amended): A user node in a communication system including the user node, a corresponding node able to request to communicate with the user node, and a

relay node that is constantly connected to the corresponding node and is able to act as proxy of the user node to communicate with the corresponding node, said user node comprising:

a data processing unit that supplies data from the corresponding node through the relay node to a program executed by a processor in the user node according to a communication session identification number included in the data,

wherein

the user node is able to [[be]] request a communication with the corresponding node;  
and

the user node and the relay node act as one virtual node with respect to the corresponding node.

Claim 14 (Original): The user node as claimed in claim 13, wherein the user node and the relay node act as a virtual node with respect to the corresponding node, the virtual node being identified by a node address of the relay node.

Claim 15 (Original): The user node as claimed in claim 13, wherein data processed by the user node are synchronized with data processed by the relay node.

Claim 16 (Previously Presented): The user node as claimed in claim 13, further comprising a link monitoring unit configured to monitor a communication link between the user node and the relay node.

Claim 17 (Previously Presented): The user node as claimed in claim 13, further comprising a node information management unit configured to manage information and resources of the user node and the relay node.

Claim 18 (Original): The user node as claimed in claim 13, wherein the user node is able to transmit signals to or receive signals from the corresponding node without going through the relay node.

Claim 19 (Previously Presented): A method of operating a communication system including a user node, a corresponding node able to request a communication with the user node, and a relay node that is constantly connected to the corresponding node and is able to act as proxy of the user node to request a communication with the corresponding node, said relay node and said user node acting as one virtual node with respect to the corresponding node,

said method comprising the steps of:

receiving, by the relay node, data from the corresponding node;

supplying, by the relay node, the data to a program executed by a processor in the relay node according to a communication session identification number;

transmitting, by the relay node, the data to the user node; and

supplying, by the user node, the data to a program by another processor in the user node according to the communication session identification number included in the packet signal.

Claim 20 (Previously Presented): The method as claimed in claim 19, wherein the user node and the relay node act as a virtual node with respect to the corresponding node, the virtual node being identified by a node address of the relay node.

Claim 21 (Previously Presented): The method as claimed in claim 19, wherein data processed by the relay node are synchronized with data processed by the user node.

Claim 22 (Previously Presented): The method as claimed in claim 19, wherein a communication link between the user node and the relay node are managed.

Claim 23 (Previously Presented): The method as claimed in claim 19, wherein information and resources of the user node and the relay node are managed.

Claim 24 (Previously Presented): The method as claimed in claim 19, wherein the user node transmits signals to or receive signals from the corresponding node without going through the relay node.

Claim 25 (Previously Presented): The communication system as claimed in claim 1, wherein the relay node includes a common storage unit that reads data from, and transfers data to, the user node when a communication link between the relay node and the user node is connected.

Claim 26 (Previously Presented): The relay node as claimed in claim 7, further comprising a common storage unit that reads data from and transfers data to the user node when a communication link between the relay node and the user node is connected.

Claim 27 (Previously Presented): The user node as claimed in claim 13, further comprising a common storage unit that reads data from and transfers data to the relay node when a communication link between the relay node and the user node is connected.

Claim 28 (Previously Presented): The method as claimed in claim 19, wherein the relay node reads data from and transfers data to the user node when a communication link between the relay node and the user node is connected.